

INFORMATION DISCLOSURE CITATION	Atty. Docket No.: 49933US032	Serial No.: Unknown
	Applicants(s): Hoopman et al.	09/955,604
	Filing Date: Herewith 9-19-01	Group: Unknown

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
JL	1,941,962	01/02/34	Tone	-	-	
	1,988,065	01/15/35	Wooddell	-	-	
	2,001,911	05/21/35	Wooddell et al.	-	-	
	2,009,824	07/30/35	Walter	-	-	
	2,015,658	10/01/35	Bezenberger	-	-	
	2,108,645	02/15/38	Bryant	-	-	
	2,115,897	05/03/38	Wooddell et al.	-	-	
	2,242,877	05/20/41	Albertson	-	-	
	2,252,683	08/19/41	Albertson	-	-	
	2,292,261	08/04/42	Albertson	-	-	
	2,755,607	07/24/56	Haywood	-	-	
	2,806,772	09/17/57	Robie	-	-	
	2,876,086	03/03/59	Raymond	-	-	
	2,907,146	10/06/59	Dyar	-	-	
	2,952,951	09/20/60	H.A. Simpson	-	-	
JL	3,048,482	08/07/62	Hurst	-	-	

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	SubClass	Translation	
						Yes	No
JL	1,005,448	09/22/65	United Kingdom	-	-	✓	
	2 043 501 A	10/08/80	United Kingdom	-	-	✓	
	2 094 824 B	09/22/82	United Kingdom	-	-	✓	
	0 004 454 A2	10/03/79	EPO	-	-	✓	
	0 004 454 A3	10/03/79	EPO	-	-	✓	
JL	0 109 851 A2	06/30/94	EPO	-	-	✓	

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

JL	1	Encyclopedia of Polymer Science and Technology, Vol. 8, pp. 661-666 (1968).
JL	2	J.V. Crivello "Photoinitiated Cationic Polymerization," Ann. Rev. Mat. Science, Vol. 13, pp. 173-190 (1983).
JL	3	Kirk-Othmer Encyclopedia of Chemical Technology Third Edition, John Wiley & Sons, New York; Vol. 1, pp. 36-39 (1978).
JL	4	Merchant, "Language and Style A Structured Guide to Fortran 77," Fortran 77, Wadsworth Publishing Co., Belmont, CA, pp. 252-254 (1981).

EXAMINER

Joseph Zeynon

Date Considered

1-16-02

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U.S. PATENT DOCUMENTS 1722								
Examiner Initial		Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate	
JZ		3,057,256	10/09/62	Erban	-	-		
		3,211,634	10/12/65	Lorenzo	-	-		
		3,517,466	06/30/70	Bouvier	-	-		
		3,549,341	12/22/70	Kittredge et al.	-	-		
		3,594,865	07/27/71	Erb	-	-		
		3,605,349	09/20/71	Anthon	-	-		
		3,615,302	10/26/71	Rowse et al.	-	-		
		3,631,638	01/04/72	Yoshikawa et al.	-	-		
		3,641,719	02/15/72	Yang	-	-		
		3,661,544	05/9/72	Whitaker	-	-		
		3,689,346	09/05/72	Rowland	-	-		
		3,712,706	01/23/73	Stamm	-	-		
		3,833,703	09/03/74	Joos	-	-		
		3,859,407	01/07/75	Blanding et al.	-	-		
		3,991,527	11/16/76	Maran	-	-		
		4,011,358	03/08/77	Roelofs	-	-		
	4,038,047	07/26/77	Haywood	-	-			
JZ.		4,055,029	10/25/77	Kalbow	-	-		
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	SubClass	Translation Yes No	
JZ	7.	0 168 065 A1	01/15/86	EPO (English Language Abstract Included)	-	-		X
	8.	0 306 161 A2	03/08/89	EPO	-	-	X	
	9.	0 306 162 A2	03/06/89	EPO	-	-	X	
	10.	0 345 239 A1	12/06/89	EPO (English Language Translation Included)	-	-	X	
JZ	11.	0 429 269 A1	05/29/91	EPO	-	-	X	
OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)								
JZ		"Lenox Hackmater V Vari-Tooth Power Hack Saw Blades"; advertisement by Lenox Co., undated.						
JZ		Wendtland, "Can't Choose One File?," <i>Nails</i> , pp. 37-43 (July, 1994).						
JZ		V. A. Morozov; "How the Surface Relief of Abrasive Belts Affects Efficiency in Grinding Jobs," <i>Soviet Engineering Research</i> , Vol. 60, No. 6, pp. 23-27, (1989).						
EXAMINER <i>Joseph Zeyon</i>				Date Considered <i>01-18-02</i>				
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U.S. PATENT DOCUMENTS								
Examiner Initial		Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate	
JL		4,106,915	8/15/78	Kagawa et al.	-	-		
		4,311,489	01/19/82	Kressner	-	-		
		4,314,827	02/09/82	Leitheiser et al.	-	-		
		4,318,766	03/09/82	Smith	-	-		
		4,364,746	12/21/82	Bitzer et al.	-	-		
		4,420,527	12/13/83	Conley	-	-		
		4,456,500	06/26/84	Ibata	-	-		
		4,539,017	09/03/85	Augustin	-	-		
		4,553,982	11/19/85	Korbel et al.	-	-		
		4,576,850	03/18/86	Martens	-	-		
		4,587,291	05/06/86	Gardziella et al.	-	-		
		4,588,258	05/13/86	Hoopman	-	-		
		4,588,419	05/13/86	Caul et al.	-	-		
		4,623,364	11/18/86	Cottringer et al.	-	-		
		4,642,126	02/10/87	Zador et al.	-	-		
		4,644,703	02/24/87	Kaczmarek et al.	-	-		
	JL		4,652,274	03/24/87	Boettcher et al.	-	-	
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	SubClass	Translation	
JL	12	0 052 758 A2	06/02/82	EPO (English Language Abstract Included)**	-	-	Yes	No
	13	0 554 668 A1	08/93/93	EPO	-	-	X	
	14	0 642 889 A1	03/15/95	EPO	-	-	X	
	15	0 650 803 A1	05/03/95	EPO	-	-	X	
JL	16	0 650 807 A1	05/03/95	EPO	-	-	X	
OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)								
JL		K.L. Wilke et al., "Coated Abrasive Superfinishing: Predictable, Repeatable Texturing of Metal Roll Surfaces," from 3M Industrial Abrasives Division, Doc. No. A-ARLSF (92.05) BPH, 8 pages (May 1992).						
JL		"Superfinishing: The Microfinishing Systems Way"; Brochure of 3M Microfinishing Systems, 6 pages (7/14/88).						
JL		"Irgacure® 369"; Brochure of Ciba-Geigy Corp. (1993).						
EXAMINER				Date Considered				
Ernest Leyson				01-16-02				
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Based on Form PTO-FB-A820
(Also form PTO-1449)

Patent and Trademark Office, U.S. Department of Commerce

** 0 052 758 A2, 3043796 A1, 57-114367, and 8500701 are all from the same family, and the abstract provided is the same for each

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U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
JL		4,652,275	03/24/87	Bloecher et al.	~	-	
		4,735,632	04/05/88	Oxman et al.	~	-	
		4,744,802	05/17/88	Schwabel	-	-	
		4,751,138	06/14/88	Tumey et al.	-	-	
		4,770,671	09/13/88	Monroe et al.	-	-	
		4,773,920	09/27/88	Chasman et al.	-	-	
		4,775,219	10/04/88	Appeldorn et al.	-	-	
		4,799,939	01/24/89	Bloecher et al.	~	-	
		4,875,259	10/24/89	Appeldorn	-	-	
		4,881,951	11/21/89	Wood et al.	-	-	
		4,903,440	02/27/90	Larson et al.	-	-	
		4,930,266	06/05/90	Calhoun et al.	-	-	
		4,950,696	08/21/90	Palazotto et al.	-	-	
		4,952,612	08/28/90	Brown-Wensley et al.	-	-	
		4,959,265	09/25/90	Wood et al.	-	-	
		4,983,458	01/08/91	Dejaiffe	-	-	
		4,985,340	01/15/91	Palazzotto et al.	~	-	
		4,997,461	03/05/91	Markhoff-Matheny et al.	-	-	
		5,011,508	04/30/91	Wald et al.	-	-	
JL		5,011,513	04/30/91	Zador et al.	-	-	
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	SubClass	Translation
							Yes No
JL	17	881 239	04/19/43	France (English Language Translation Included)	-	-	X
	18	1 151 256	01/28/58	France (English Language Translation Included)	-	-	X
	19	2 354 373	01/06/78	France (English Language Translation Included)	-	-	X
JL	20	2 299 123	08/20/76 27	France (English Language Translation Included)	-	-	X
OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)							
JL		"Gem Centerless Microfinishers," Brochure of Grinding Equipment & Machinery Co., Inc., Youngstown, OH (published before 1/1/90).					
EXAMINER				Date Considered			
Joseph Legman				01-16-02			
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U.S. PATENT DOCUMENTS							1722	
Examiner Initial		Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate	
JL		5,014,468	05/14/91	Ravipati et al.	—	—		
		5,015,266	05/14/91	Yamamoto	—	—		
		5,022,895	06/11/91	Wiand	—	—		
		5,039,311	08/13/91	Bloecher	—	—		
		5,061,294	10/29/91	Harmer et al.	—	—		
		5,077,870	01/07/92	Melbye et al.	—	—		
		5,078,753	01/07/92	Broberg et al.	—	—		
		5,086,086	02/04/92	Brown-Wensley et al.	—	—		
		5,090,968	02/25/92	Pellow	—	—		
		5,093,180	03/03/92	Morgan	—	—		
		5,107,626	04/28/92	Mucci	—	—		
		5,131,926	07/21/92	Rostoker et al.	—	—		
		5,137,542	08/11/92	Buchanan et al.	—	—		
		5,147,900	09/15/92	Palazzotto et al.	—	—		
		5,152,917	10/06/92	Pieper et al.	—	—		
		5,174,795	12/29/92	Wiand	—	—		
		5,176,155	01/05/93	Rudolph, Jr.	—	—		
	5,178,646	01/12/93	Barber, Jr. et al.	—	—			
JL		5,199,227	04/06/93	Ohishi	—	—		
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	SubClass	Translation	
							Yes	No
JL	21	3043796 A1	07/22/82	Germany (English Language Abstract Included)**	—	—		X
	22	2,009,718	08/10/90	Canada	—	—	X	
	23	749650	07/23/80	Soviet Union (English Language Abstract Included)	—	—		X
	24	975375	11/23/82	Soviet Union	—	—	X	
	25	996178	02/15/83	Soviet Union (English Language Abstract Included)	—	—		X
OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)								
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U.S. PATENT DOCUMENTS								
Examiner Initial		Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate	
92.		5,201,101	04/13/93	Rouser et al.	—	—		
		5,201,916	04/13/93	Berg et al.	—	—		
		5,203,884	04/20/93	Buchanan et al.	—	—		
		5,219,462	06/15/93	Bruxvoort et al.	—	—		
		5,232,470	08/03/93	Wiand	—	—		
		5,236,472	08/17/93	Kirk et al.	—	—		
		5,273,805	12/28/93	Calhoun et al.	—	—		
		5,275,181	01/04/94	Rudolph, Jr.	—	—		
		5,287,863	02/22/94	La Joie et al.	—	—		
		5,304,223	04/19/94	Pieper et al.	—	—		
		5,316,812	05/31/94	Stout et al.	—	—		
		5,318,604	06/07/94	Gorsuch et al.	—	—		
		5,368,619	11/29/94	Culler	—	—		
		5,378,251	01/03/95	Culler et al.	—	—		
		5,398,455	03/21/95	Slavin et al.	—	—		
		5,435,816	07/25/95	Spurgeon et al.	—	—		
		5,437,754	08/01/95	Calhoun	—	—		
		5,453,312	09/26/95	Haas et al.	—	—		
		5,454,844	10/03/95	Hibbard et al.	—	—		
92.		5,489,235	02/06/96	Gagliardi et al.	—	—		
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	SubClass	Translation	
							Yes	No
92	26,	1316805 A1	06/15/87	Soviet Union (English Language Abstract Included)	—	—		X
	27.	2-83172	03/23/90	Japan	—	—	X	
	28.	4-159084	06/02/92	Japan	—	—	X	
92	29	5-23973	02/02/93	Japan (English Language Abstract Included)	—	—		X
EXAMINER Joseph Leyson				Date Considered 01-16-02				

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JL		5,527,368	06/18/96	Supkis et al.	-	-			
		5,573,619	11/12/96	Benedict et al.	-	-			
		5,658,184	08/19/97	Hoopman et al.	-	-			
		5,672,097	09/30/97	Hoopman	-	-			
		5,913,716	06/22/99	Mucci et al.	-	-			
		6,076,248	06/20/00	Hoopman et al.	-	-			
		6,129,540	10/10/00	Hoopman et al.	-	-			
JL		RE 29,808	10/24/78	Wagner	-	-			
FOREIGN PATENT DOCUMENTS									
		Document Number	Date	Country	Class	SubClass	Translation Yes No		
JL	30	52-65391	05/30/77	Japan (English Language Abstract Included)	-	-		X	
	31	57-114367	07/16/82	Japan (English Language Abstract Included)**	-	-		X	
	32	57-121458	07/28/82	Japan (English Language Abstract Included)	-	-		X	
	33	58-196974	11/16/83	Japan (English Language Abstract Included)	-	-		X	
	34	6-190737	07/12/94	Japan (English Language Translation Only)	-	-	X		
	35	60-9663	01/18/85	Japan (English Language Translation Only)	-	-	X		
	36	61-244468	10/30/86	Japan (English Language Translation Only)	-	-	X		
	37	62-235942	10/16/87	Japan (English Language Abstract Included)	-	-		X	
	38	62-255069	11/06/87	Japan (English Language Abstract Only)	-	-		X	
	39	62-28177	02/06/87	Japan (English Language Translation Included)	-	-	X		
	40	63-235942	09/30/88	Japan (English Language Abstract Included)	-	-		X	
	41	92/13680	08/20/92	PCT	-	-	X		
	42	92/15626	09/17/92	PCT	-	-	X		
	JL	43	93/12911	07/08/93	PCT	-	-	X	
	EXAMINER Joseph Terson				Date Considered 01-16-02				

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FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	SubClass	Translation
							Yes No
82	441	93/13912	07/22/93	PCT	—	—	X
	451	94/20264	9/15/94	PCT	—	—	X
	461	94/27780	12/08/94	PCT	—	—	X
	471	8500701	02/01/85	ES (English Language Abstract Included)**	—	—	X
82	481	1 278276	01/24/66	Germany (English Language Translation Included)	—	—	X
OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)							
82		U.S. Patent Application entitled "Tools To Manufacture Abrasive Articles", as-filed March 6, 2000, Hoopman et al., having Attorney Docket No. 49933US031. 09/520,032					
EXAMINER				Date Considered			
Evelyn Leyson				01-16-02			
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